

Class 9 Physics Chapter 9 Force and Law of Motion MCQs

1. Which of the following is true of an object moving along a straight path in an accelerated motion?

- (a) Its velocity always changes
- (b) Its speed keeps changing
- (c) A force is always acting on it
- (d) It always goes away from the Earth

2. The inertia of an object causes the object to

- (a) decrease its speed
- (b) increase its speed
- (c) resist any change in the state of its motion
- (d) decelerate due to friction

3. Which of the following is true of the third law of motion?

- (a) Action-Reaction pair always acts on the same body
- (b) They act on different bodies in opposite directions
- (c) Action-Reaction pairs have the same magnitudes and directions
- (d) Act on either body at normal to each other

4. Which of the following is the SI units of force?

- (a) kgm/s^2
- (b) kgm/s
- (c) Newton-metre
- (d) Newton

5. If the mass of the body is doubled and its velocity becomes half, then the linear momentum of the body will

- (a) become double
- (b) remain same
- (c) become half
- (d) become Four times

Chapter 9 Physics Test

Shasha Hu



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